

ADITYA BIRLA



Registered Post

The Additional PCCF,
Ministry of Environment, Forests & Climate Change
Regional office (West Central Zone),
Ground Floor, East Wing,
"New Secretary Building"
Civil lines, Nagpur - 440001

26/04/2017

Subject: Compliance Status of Environment Clearance conditions

Dear Sir,

We have been granted Environment Clearance to our **Durgmanwadi Bauxite Mines** on 5th of February 2007 vide clearance No J-11015/239/2006-IA-II (M).


We are herewith submitting the compliance against the conditions laid down in the Environment Clearance; for the 6 months duration (October'16 to March'17) along with the environment monitoring reports of Air, Water and Noise quality for the post monsoon and winter seasons.

Hope you will please find the above in order.

Thanking you,

Yours very truly,

REGIONAL OFFICE
M. A. T. BOARD
UDYOG BHAVAN
GR. FLOOR NEAR COLLECTOR OFFICE
KOLHAPUR-416 003


Mainak Chakraborty
Vice President – Mines

Encl. A/a

Copy to:

1. The Chief Conservator of Forests (Central)
Ministry of Environment & Forests
Regional office, BHOPAL.
2. The Member Secretary,
Central Pollution Control Board,
Parivesh Bhavan, East Arjun Nagar,
DELHI - 110032
3. The Regional Officer
Maharashtra Pollution Control Board
Udyog Bhawan, KOLHAPUR.

HINDALCO INDUSTRIES LIMITED

Registered Office : Century Bhavan, 3rd Floor, Dr. Annie Besant Road, Worli, Mumbai 400 030. Telephone + 91 22 6662 6666

Durgmanwadi Mines : PO Radhanagari - 416 212 Dist. Kolhapur, Maharashtra. T. : + 91 02321 202072 / 202178 / 133

Kolhapur Office : T. : 91 0231 2661458, 2666621, 2021461, 2021462

Website : www.hindalco.com E-mail : hindalco@adityabirla.com

Corporate Identity No. : L27020MH1958PLC011238

**COMPLIANCE STATUS OF
ENVIRONMENTAL CLEARANCE CONDITIONS
Environment Clearance Durgmanwadi Bauxite Mines granted on 5th of
February 2007 vide clearance No J-11015/239/2006-IA-II (M)**

Sr.No.	Conditions	Compliance
Specific Conditions :-		
i)	The mining activity to be restricted to private land only for which the conservation plan has been accepted by the State Government.	The mining activity presently is restricted to private land only.
ii)	Preparation of conservation plan for protection of endangered fauna reported in the study area.	Conservation Plan for protection of endangered species is submitted to MoEF at the time of grant of Environment clearance.
iii)	Top soil to be stacked properly with proper slope with adequate safeguards & backfilled for reclamation & rehabilitation of mined out area.	The top soil stacked initially in dumps is rehandled and used for mine restoration.
iv)	Overburden to be stacked at earmarked dump site(s) only at max height not more than 20 m and slopes not to exceed 28°. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.	All the overburden dumps are backfilled into the mined out voids. The backfilled areas are being scientifically vegetated through afforestation.
v)	External OB dumps and other wastes to be stacked at earmarked sites only.	There are no external dumps for overburden stacking.
vi)	Catch drains and siltation ponds of appropriate size to be constructed to arrest silt and sediment flows.	The run-off mine is channelised towards settling tanks and silt check dams. All the natural storm water flow is passed through silt check dams.
vii)	Drilling and blasting should not be involved.	Drilling & blasting is totally done away with. For breaking of strata Rippers and Rock Breakers are used.
viii)	Plantation to be raised in an area of 121.50 ha. The density of trees should be around 2000 plants per ha.	The plantation is carried out every year as per plan. Till date 2, 94,299 plants have been planted within & outside the lease area and at feeder road side. Restored about 138.4 Ha areas. During the year 2016-17, 150 saplings have been planted to cover 0.045 Ha, Nigad plantation to cover 0.886 Ha; Grass land to cover 7.705 Ha area and Water ponds to cover 1.167 Ha. Area.

		As the mine plateau is on high elevation, the water accumulated in mined out area mostly percolates down to the nearby water sources. Some water is also evaporated during dry months.
x)	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells.	<p>The ground water quality is monitored on quarterly basis.</p> <p>The mining is carried out to a depth of 7 to 10 Mts from the surface. There is no interference of mining activity with the ground water table.</p>
xi)	Plan rainwater harvesting measures on long-term basis should be planned and implemented.	<p>5 Nos. Water harvesting ponds are developed in the mining area. The entire mined out area is itself acts as a water harvesting pit.</p> <p>However, the above ponds also serve as a water reservoir to cater the water requirement of dust suppression and for plantation.</p>
xii)	<p>a) Vehicular emissions to be kept under Control.</p> <p>b) The vehicles should be covered with a tarpaulin and shall not be over loaded.</p> <p>c) Regular water sprinkling arrangements shall be made to control the fugitive dust generation from the haul roads.</p>	<p>There is a system to check the PUC certificates of hired trucks.</p> <p>Timely maintenance of all heavy equipments is carried out.</p> <p>All transport vehicles are covered with tarpaulin. The vehicles are weighed within the mines. All the vehicles are carrying bauxite as per RLW.</p> <p>Mobile water tankers are used to sprinkle water on haul roads.</p>
xiii)	Install sewage treatment plant for colony. ETP should be provided for workshop and waste generation from mining operation.	<p>There is no colony set up for the mines.</p> <p>There is no processing of mineral carried out at mines.</p>
xiv)	A final Mine closer plan alongwith details of Corpus Fund should be submitted to the MoEF 5 years in advance of final mine closer for approval.	Mine is still operational. Final Mine closure plan will be submitted to concerned agency.
B	General Conditions.	

i)	No change in mining technology and scope of working without prior approval	There is no change in the mining technology and in the scope of working.
ii)	No change in calendar plan including excavation, quantum of mineral ore & waste	The production is restricted to the approved quantity.
iii)	Conservation measures for protection of flora & fauna in the core & buffer zone to be drawn	Mined out area are scientifically afforested. For this we procure soil, manure, vermi compost, bagasse and press-mud to improve the condition of plantation base. We had engaged experts to implement afforestation activity. Care has been taken to plant mostly local flora along with some exotic species.
iv)	Establish four ambient air quality monitoring stations in the core zone & buffer zone for RPM, SPM, SO ₂ , NO _x . Monitoring.	4 Nos. of Ambient air quality stations have been established in the core and as well as in buffer area.
v)	Regular submission of data on ambient air quality (RPM, SPM, SO ₂ ,NO _x)	The monitoring is carried out as per the schedule and Data is submitted regularly The Post monsoon and winter season reports are attached.
vi)	Regular control of fugitive dust emissions from all the sources	The dust in crushing operation is suppressed by atomized water sprinklers and during mining and transportation by mobile water tankers.
vii)	Take measures for control of noise levels below 85 dBA in the work environment	All the noise generating machineries are enclosed to suppress the noise. The noise level in the work environment is below 85dBA and all the workers engaged in operations of HEMM are provided with ear-plugs / muffs
viii)	Proper collection, treatment of industrial waste water to conform the standards prescribed under GSR 422 (E) dt.19 th May, 1993	There is no industrial waste water, as there is no processing is carried out.
ix)	Provide adequate training and information on safety & health aspects & provide protective respiratory devices to workers	Regular training to employees on Safety and Health aspects is provided. All the employees engaged in operations are provided with dusk masks & ear-plugs / muffs.
x)	Undertake periodical Occupational health surveillance program of workers	The heath surveillance is done once in a year for all employees and there are no cases of occupational health hazards.

xi)	Set-up separate environmental management cell with suitable qualified personnel.	A qualified person has been employed at the unit level. A full fledged Environment cell operates at the corporate level.																								
xii)	The project authority shall inform to the regional office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development.	The mining operation was commenced on 17 th April 1992. i.e; much prior to grant of EC.																								
xiii)	The funds earmarked for environmental protection measures shall be kept in separate account and should be diverted for other purposes.	<p>The separate funds have been allocated for implementation of environmental protection measures along with item-wise breakup such as furnished below. The expenditures are upto March-2017.</p> <table border="1" data-bbox="869 649 1412 1187"> <thead> <tr> <th>SO. NO.</th> <th>Shop Order Description</th> <th>Expenditure for the year 2016 -17 (Rs.)</th> </tr> </thead> <tbody> <tr> <td>1610 & 1611</td> <td>Aftercare (watering)</td> <td>2,48,853.00</td> </tr> <tr> <td>1612</td> <td>Environment Monitoring</td> <td>6,63,045.00</td> </tr> <tr> <td>1613</td> <td>Dust suppression</td> <td>9,61,945.00</td> </tr> <tr> <td>1614</td> <td>Statutory Compliance</td> <td>1,34,006.00</td> </tr> <tr> <td>1615</td> <td>Environment Others</td> <td>2,82,778.00</td> </tr> <tr> <td>1616</td> <td>ISO – 14001 system</td> <td>30,242.00</td> </tr> <tr> <td>3019</td> <td>Mine restoration & rehabilitation</td> <td>7,68,657.00</td> </tr> </tbody> </table>	SO. NO.	Shop Order Description	Expenditure for the year 2016 -17 (Rs.)	1610 & 1611	Aftercare (watering)	2,48,853.00	1612	Environment Monitoring	6,63,045.00	1613	Dust suppression	9,61,945.00	1614	Statutory Compliance	1,34,006.00	1615	Environment Others	2,82,778.00	1616	ISO – 14001 system	30,242.00	3019	Mine restoration & rehabilitation	7,68,657.00
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xv)	The project authorities should extend full cooperation to the officer(s) of the Regional office by furnishing the requisite data/information / monitoring reports.	Requisite data / information / monitoring reports will be submitted as desired by the concerned authority.																								
xvi)	A copy of clearance letter will be marked to concern Panchayat.	A copy of clearance letter is marked to concern Panchayat.																								
xvii)	The project authority should advertise at least in two local news papers within 7 days of the issue of the clearance letter.	The advertisement was published in the local daily news papers "Tarun Bharat" & "Pudari" on 08/02/2007.																								